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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/679,391	10/07/2003	Jong-Su Lim	44824	5463
Peter L. Kenda	7590 01/15/200 all	EXAM	EXAMINER	
Roylance, Abi	ams, Berdo & Goodma	DEBNATH, SUMAN		
Suite 600 1300 19th Stre	et, N.W.		ART UNIT	PAPER NUMBER
Washington, I	OC 20036	2435		
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			01/15/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/679,391	LIM, JONG-SU		
Examiner	Art Unit		
SUMAN DEBNATH	2435		

	SUMAN DEBNATH	2435	
The MAILING DATE of this communication appe	ars on the cover sheet with the	orrespondence add	ress
THE REPLY FILED 12 December 2008 FAILS TO PLACE THIS	APPLICATION IN CONDITION F	OR ALLOWANCE.	
 The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following i application in condition for allowance; (2) a Notice of Appe for Continued Examination (RCE) in compliance with 37 C periods: 	the same day as filing a Notice of replies: (1) an amendment, affidavi al (with appeal fee) in compliance	Appeal. To avoid abar t, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request
a) The period for reply expiresmonths from the mailing b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire Is Examiner Note: If box 1 is checked, check either box (a) or [MONTHS OF THE FINAL REJECTION, See MPEP 766.07()).	dvisory Action, or (2) the date set forth ater than SIX MONTHS from the mailing b). ONLY CHECK BOX (b) WHEN THE	date of the final rejection	n.
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filled is the date for purposes of determining the period at valued 37 CFR 1.17(a) is calculated from: (1) the expiration date of thes set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patient term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL	on which the petition under 37 CFR 1.1 ension and the corresponding amount hortened statutory period for reply origi than three months after the mailing dat	of the fee. The appropria nally set in the final Offic	ate extension fee e action; or (2) as
 The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed with AMELINATION. 	sion thereof (37 CFR 41.37(e)), to	avoid dismissal of the	
AMENDMENTS			
The proposed amendment(s) filed after a final rejection, be (a) They raise new issues that would require further cor (b) They raise the issue of new matter (see NOTE below	nsideration and/or search (see NO) w);	E below);	
(c) They are not deemed to place the application in beti appeal; and/or	ter form for appear by materially rec	rucing or simplifying ti	ie issues ioi
(d) ☐ They present additional claims without canceling a c NOTE: (See 37 CFR 1.116 and 41.33(a)).	corresponding number of finally reje	ected claims.	
4. The amendments are not in compliance with 37 CFR 1.12		mpliant Amendment (F	² TOL-324).
Applicant's reply has overcome the following rejection(s):			
Newly proposed or amended claim(s) would be all non-allowable claim(s).		•	
7. For purposes of appeal, the proposed amendment(s): a) [how the new or amended claims would be rejected is prov The status of the claim(s) is (or will be) as follows: Claim(s) allowed: None.		be entered and an ex	cplanation of
Claim(s) objected to: <u>None</u> . Claim(s) rejected: 1-12.			
Claim(s) withdrawn from consideration: None.			
AFFIDAVIT OR OTHER EVIDENCE			
 The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 			
 The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary 	vercome <u>all</u> rejections under appear and was not earlier presented. Se	and/or appellant fails ee 37 CFR 41.33(d)(1)	s to provide a).
10. The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER		•	
 The request for reconsideration has been considered but <u>See Continuation Sheet.</u> 		condition for allowan	ce because:
12. Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s)		
/Kimyen Vu/ Supervisory Patent Examiner, Art Unit 2435			

U.S. Patent and Trademark Office PTOL-303 (Rev. 08-06)

Continuation of 11. does NOT place the application in condition for allowance because: Applicant's arguments filed December 12, 2008, have been fully considered but they are not fully persuasive.

Applicant argues that: "..the sub-bit stream described in DKS do not have the same length. Accordingly, DKS is not analogous to claim 1, which recites dividing a first plaintext bit stream of length 2n into first and second sub-bit streams of length n and dividing a second plaintext bit stream of length 2n into third and fourth sub-bit streams of length n."

In response to applicant's arguments, the recitation 'dividing a first plaintext bit stream of length 2n into first and second sub-bit streams of length 2n into first and second sub-bit streams of length 2n into the length and sub-bit streams of length 2n into third and fourth sub-bit streams of length 2n into stream of length 2n into third and fourth sub-bit streams of length 2n into stream of length 2n into third and stream of length 2n into stream of length (i.e. n.)

Applicant argues that: DKS does not teach "outputting the second ciphertext bit stream encrypted again with a predetermined time delay."

Examiner maintains that: DKS beaches outputting the second ciphertex bit stream encrypted again with a predetermined time delay (FIG. 2, FIG. 6, page 12, section 4.3, predetermined time delay always takes place wherever there is a requirement to synchronize two inputs to compute an "exclusive OR" functions. For instance, there are multiple "exclusive or" and FI functions within FO function (see FIG. 6 of DKS), trus output from FI sub 1,1 is an input to an "exclusive OR" function but another input come from right side which doesn't require any computation. Therefore, there will be a predetermined time delay before both bit streams can be sed to an "exclusive OR" function. Applicant should not that claim language is broad enough to interpret that output of FI sub 1, 1 is an input to FI sub 1, 2 which is encrypted again with predetermined time delay).

In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See In re Fine, 837 F.2d 1071, 5 USPO2d 1996 (Fed. Cir. 1998) and In re Jondey 58 F.2d 347, 21 USPO2d 1994 (Fed. Cir. 1992). In this case, motivation for the rejections is found both in the knowledge generally available to one of ordinary skill in the art not in the cider ferences.

Applicant argues that: "..it is not possible to make the alleged combination because, in DKS, the FO function is recursive and required the first ciphertext bit stream in order to complete the second alleged round."

Applicant should note that it is well known to run two hardwires or cipher unit in parallel to increase the speed. Furthermore, DKS teaches the operation of FO cipher unit and Lee teaches two functions combined to run in parallel.

Examiner's note: Examiner has cited particular columns and line numbers in the references as applied to the claims above for the convenience of the Applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may be applied as well. It is respectfully requested from the Applicant, in preparing the responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention as well as the context of the passage as taught by the forming.